TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-01-03-10** **Date: 06-01-2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-01-2018
Sample ID No	:	2018-01-03-10/01
Type of Mix	:	GSB (Granular Sub Base)
Date of test	:	04-01-2018
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0.0	100.0	100
53	876	876	8.8	91.2	80-100
26.5	1652	2528	25.3	74.7	55-90
9.5	1598	4126	41.3	58.7	35-65
4.75	1492	5618	56.2	43.8	25-55
2.36	1832	7450	74.5	25.5	20-40
0.425	1448	8898	89.0	11.0	10-25
0.075	765	9663	96.6	3.4	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	23.10%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

Note:-
The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Page 1/1
End of Report

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2018-01-22-11** **Date: 25-01-2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-01-2018
Sample ID No	:	2018-01-22-11/01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	23-01-2018
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	219	219	2.2	97.8	95-100
22.4	2376	2595	26.0	74.1	60-80
11.2	2311	4906	49.1	50.9	40-60
4.75	2427	7333	73.3	26.7	25-40
2.36	1012	8345	83.5	16.6	15-30
0.6	582	8927	89.3	10.7	8-22
0.075	623	9550	95.5	4.5	0-5

Note:-

The results pertain to the samples received and tested
All information furnished by Customer/Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Page 1/1
End of Report

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	CP-RW-2018-01-22-11	**Date: 25-01-2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore	
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.	
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.	
Customer Reference	:	BBMP/EE/DD/WO/86/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	22-01-2018	
Sample ID No	:	2018-01-22-11/01	
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)	
Date of test	:	23-01-2018	

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	312.2	312.1
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	69.9	72.9
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	242.1	238.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.2	0.4
5	Aggregate impact value	(B/A)*100	22.4	23.4
6	Aggregate impact value (Mean of two tests)	Pecentage	22.9	

Note:-

The results pertain to the samples received and tested
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part
Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-01-22-11** **Date: 25-01-2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-01-2018
Sample ID No	:	2018-01-22-11/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	23-01-2018

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	10.1%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	11.2%	
Combined Flakiness and Elongation Index for WMM	21.3%	

Note:-
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	CP-RW-2018-02-08-01 Date: 10-02-2018
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-02-2018
Sample ID No	:	2018-02-08-01/01
Type of Mix	:	BC-Plant (Bituminous Concrete)
Date of test	:	08-02-2018
Oven Dry Weight	:	5000 Grams

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-17(grading-2)
19	0	0	0.0	100.0	100
13.2	88	88	1.8	98.2	90-100
9.5	676	764	15.3	84.7	70-88
4.75	917	1681	33.6	66.4	53-71
2.36	602	2283	45.7	54.3	42-58
1.18	501	2784	55.7	44.3	34-48
0.6	523	3307	66.1	33.9	26-38
0.3	582	3889	77.8	22.2	18-28
0.15	416	4305	86.1	13.9	12-20
0.075	412	4717	94.3	5.7	4-10
PAN	282	4999	100	0.0	0

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part
Samples will be disposed after 30 days from the date of issue of test certificate

End of Report

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com